

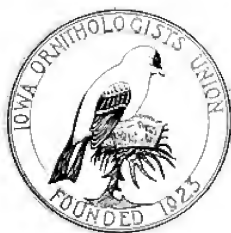
IOWA BIRD LIFE

PUBLISHED QUARTERLY BY THE
IOWA ORNITHOLOGISTS' UNION

VOL. XXV

DECEMBER, 1955

NO. 4



OFFICERS OF THE IOWA ORNITHOLOGISTS' UNION

President—Bruce F. Stiles, Des Moines, Iowa
Vice-President—Woodward H. Brown, Des Moines, Iowa
Sec'y-Treas.—Mrs. George Crossley, Farley, Iowa
Librarian—Dr. J. Harold Ennis, Cornell College, Mt. Vernon, Iowa
Editor—Fred J. Pierce, Winthrop, Iowa

Executive Council:

Walter W. Barrett, Sioux City, Iowa
Dr. Edward L. Kozicky, Ames, Iowa
Miss C. Esther Copp, Wheatland, Iowa
Miss Dorothy Marcue, Muscatine, Iowa

The Iowa Ornithologists' Union was organized at Ames, Iowa, February 28, 1923, for the study and protection of native birds and to promote fraternal relations among Iowa bird students.

The central design of the Union's official seal is the Eastern Goldfinch, designated State Bird of Iowa in 1933.

Publications of the Union: Mimeographed letters, 1923-1928; "The Bulletin," 1929-1930; "Iowa Bird Life," beginning 1931.

SUBSCRIPTION RATE: \$2.00 a year. Single copies 50c each. Subscription to the magazine is included in all paid memberships, of which there are four classes, as follows: Contributing Member, \$10.00 a year; Supporting Member, \$5.00 a year; Regular Member, \$2.00 a year; Junior Member (under 16 years of age), \$1.00 a year.

EDITORIAL AND PUBLICATION OFFICE
WINTHROP, IOWA

INDEX TO 'IOWA BIRD LIFE'
VOLS. XXI-XXV — 1951 - 1955
 COMPILED BY WOODWARD H. BROWN

A

- ABENDROTH, MRS. A. Chimney Swift Notes from Brazil, XXV, 42.
 Albatross, XXV, 21.
 ALLEN, ARTHUR A. Review of his "Stalking Birds with Color Camera," XXII, 14-15.
 ALLEN, ELSA GUERDRUM. Review of her "The History of American Ornithology before Audubon," XXII, 30.
 AMADON, DEAN. See Murphy, Robert C.
Anas carolinensis, XXII, 46.
Anhinga, XXIII, 72; XXIV, 78.
Ani, Groove-billed, XXIV, 79.
 ARMSTRONG, EDWARD A. Review of his "The Wren," XXV, 43-44.
Asio otus wilsonianus, XXI, 28.
 Auklet, Rhinoceros, XXV, 49.
Avocet, XXIII, 56; XXIV, 75; XXV, 22, 47, 49, 61.
 AYRES, CHARLES C., JR. Early Record of Lesser Yellow-legs in Wapello Co., XXII, 42; Piping Plover in Wapello Co., XXII, 43; Duck Hawk Catching Green-winged Teal in Flight, XXII, 46.
- B**
- BAILY, A. LANG. Three Records from Scott Co., XXIV, 18; Snowy Owl from Muscatine Co., XXIV, 81.
 Baldpate, XXI, 54; XXII, 34, 35, 36, 37, 40; XXIII, 46, 48, 49, 54; XXIV, 12, 42, 49, 52, 54, 55, 74; XXV, 40, 41.
 BARBER, JOEL. Review of his "Wild Fowl Decoys," XXIV, 82-83.
 BATTILL, HARRIET CHAPMAN. Obituary and Photograph, XXI, 70.
 BEECHER, WILLIAM J. Review of his "Attracting Birds to Your Backyard," XXV, 44.
 BENT, ARTHUR CLEVELAND. Notice of reprinting "Life Histories of North American Wild Fowl," XXI, 71.
 BEKKOWITZ, ALBERT C. Photograph of, XXI, 37; President's Message, XXI, 40; Membership Appeal, XXII, 64; Notice of Annual Meeting in Des Moines, XXIV, 14.
 Bird Boxes. Drawings, XXIV, 24.
 BIRKELAND, HENRY. Notes from Story Co., XXI, 19; Biographical Index of Iowa Ornithologists, XXI, 32-36.
 Bittern, XXII, 40; XXV, 2. American, XXI, 39; XXII, 27; XXIII, 34, 62; XXIV, 6, 42, 48, 49, 51, 52, 60, 74; XXV, 4, 8, 47.
 Least, XXI, 59, 60, 61, photographs 58 and 61; XXII, 12, 27; XXIII, 34, 62; XXIV, 48, 51, 52, 68, 74.

- Blackbird, Brewer's, XXI, 11; XXII, 28, 41; XXIV, 77; XXV, 18, 50.
 Giant Red-wing, XXV, 4.
 Red-wing, XXI, 17, 40, 51, 59, 66; XXII, 7, 10, 28, 42, 43; XXIII, 6, 17, 21, 30, 35, 62, 67; XXIV, 13, 37, 39, 42, 68, 77; XXV, 9, 15, 36, 40, 49, 65.
 Rusty, XXI, 11, 17, 53; XXII, 7, 8, 10; XXIII, 17, 18; XXIV, 37, 57, 77; XXV, 6, 9, 16.
 Yellow-headed, XXI, 11, 40; XXII, 10, 41; XXIII, 30, 35; XXIV, 42, 77; XXV, 2, 4, 40, 49, 57.
 BLIESE, JOHN C. W. Grackles, Trains and Airplanes, XXV, 21; Thunderstorms, Wind Direction and Grackle Flights, XXV, 30-31.
 BLIESE, JOHN C. W., and HENDRICKSON, GEORGE O. The "Dipping" of Bronzed Grackles, XXII, 22-23.
 Bluebird, XXI, 17, 39, 50, 51; XXII, 10, 11, 23, 28; XXIII, 8, 17, 19, 21, 22, 35, 37, 62, 63; XXIV, 13, 16, 35, 42; XXV, 4, 9, 15, 40, 55, 68.
 Chestnut-backed, XXIV, 79; XXV, 49, 67.
 Eastern, XXIII, 68; XXIV, 77.
 Mexican, XXIV, 43.
 Mountain, XXIII, 56; XXIV, 79; XXV, 18, 36, 49.
 Bobolink, XXI, 39, 66, 69; XXII, 28, 41; XXIII, 35, 63, 64, 73, 74; XXIV, 37, 42, 77; XXV, 2, 4, 14, 40, 54.
 Bob-white, XXI, 16, 31, 32, 47, 48, photographs 47 and 49; XXII, 6, 27; XXIII, 6, 7, 16, 21, 31, 34; XXIV, 2, 7, 12, 40, 41, 42, 75; XXV, 4, 8, 40, 54, 62, 64.
 BOOTH, ERNEST SHELDON. Review of his "Birds of the West," XXI, 23.
 BORDNER, MRS. ROBERT I. Bird Notes from Shenandoah, XXII, 28-29; Yellow-crowned Night Herons in S.W. Ia., XXII, 46-47.
 Brant, American, XXIV, 79, 84.
Branta canadensis hutchinsi, XXIV, 19.
 BRIGGS, SHIRLEY A., and ROBBINS, CHANDLER S. Review of their "Where Birds Live: Habitats in the Middle Atlantic States," XXI, 43.
 BROWN, WOODWARD H. Polk Co. Records, XXII, 29; Chestnut-sided Warbler in Des Moines in Late June, XXII, 42; Yellow-crowned Night Herons and Other Shore Birds near Des Moines, XXII, 47; Bird Notes and Records, Late Fall and Winter of 1952-53, XXIII, 20; Cooperation Needed for State Bird List, XXIII, 55; Kentucky Warbler in Central Ia. in Mid-Sum-

- mer, XXIV, 58; Sparrow Hawks Chasing Pigeons, XXIV, 81.
- Buffle-head, XXI, 54; XXII, 36, 40; XXIII, 34, 37, 46, 48, 49, 54; XXIV, 7, 12, 52, 54, 55, 74; XXV, 11.
- Bunting, Bay-winged, XXIV, 6.
- Indigo, XXI, 40, 51; XXII, 10, 28, 41; XXIII, 8, 11, 35, 68, 69; XXIV, 37, 42, 78; XXV, 4, 16, 40, 55.
- Lark, XXIII, 8; XXIV, 78; XXV, 18, 49.
- Lazuli, XXII, 41; XXIV, 78; XXV, 49.
- MacCown's, XXV, 12.
- Painted, XXV, 66.
- Painted Lark, XXV, 12.
- Snow, XXI, 17, 66; XXIV, 13, 18, 38, 78; XXV, 11, 16.
- Bush-tit, California, XXIII, 56; XXV, 49.
- C
- Canvas-back, XXI, 54; XXII, 35, 36, 40; XXIII, 16, 46, 47, 48, 49, 54; XXIV, 7, 12, 52, 54, 55, 57, 74; XXV, 8, 40, 41.
- Caracara, XXIV, 43.
- Cardinal, XXI, 12, 14, 17, 19, 40, 51; XXII, 4, 7, 8, 28; XXIII, 14, 15, 17, 18, 35; XXIV, 13, 15, 16, 21, 37, 42, 78; XXV, 4, 9, 11, 16, 35, 36, 40, 58, 59, 64.
- Arizona, XXIV, 21.
- CARSON, L. B. Review of his "Introduction to our Bird Friends," XXIV, 83.
- CARTER, DENNIS. Pine Siskin in Late May in Humboldt Co., XXII, 42; Notes from Webster City, XXIII, 53; A Study of Fall Warbler Migration, XXV, 17-18; Yellow-crowned Night Heron at Ames, XXV, 40; Winter Records from the Webster City Region, XXV, 41-42.
- CASE, NEIL A., and HENDRICKSON, GEORGE O. Water-bird Migration at Little Wall and Goose Lakes, Spring of 1954, XXIV, 54-55.
- Catbird, XXI, 26, 39, 51, 68; XXII, 10, 28, 41, 54; XXIII, 8, 35; XXIV, 13, 15, 35, 42, 47, 76; XXV, 3, 4, 16, 36, 40, 55.
- Ceophloeus pileatus, XXV, 50.
- Chachalaca, XXIV, 43.
- CHADBOURNE, DR. T. L. Obituary of, XXI, 71.
- Chaetura andrei, XXV, 42.
- pelagica, XXV, 42.
- Charadrius melodus, XXII, 43.
- Chat, Yellow-breasted, XXII, 41; XXIII, 75; XXIV, 36, 42, 56, 77; XXV, 40, 54.
- Chickadee, XXI, 13, photographs 12-13, 14, 17, 39; XXII, 4, 7, 14, 28; XXIII, 14, 17, 18, 21, 35, 36, 71; XXIV, 13, 16, 42; XXV, 4, 9, 16, 18, 35, 36, 40, 54, 67.
- Black-capped, XXI, 51; XXIII, 71; XXIV, 35, 76; XXV, 18.
- Carolina, XXIV, 79.
- Mountain, XXV, 18, 49; XXV, 67.
- Chicken, Prairie, XXI, 10, 53; XXIII, 6, 7, photograph 7; XXIV, 2, drawing 3, 4, 5, 7, 43, 75; XXV, 12, 36, 49.
- CHRISTENSEN, EUNICE M. Mockingbird at Spencer, XXV, 64.
- CHRISTENSEN, DR. and MRS. EVERETT D. A Flying Trip to Florida, XXV, 64.
- Christmas Census, 1950, XXI, 14-18, 1951, XXII, 4-9; 1952, XXIII, 14-20; 1953, XXIV, 8-14; 1954, XXV, 5-12.
- Chuck-will's-widow, XXIV, 60.
- CLARK, MRS. ELLA LAMSON. Obituary of, XXI, 55.
- Colinus virginianus, XXI, 31, 46.
- COLLINS, HENRY H. JR. Review of his "Birds of Montezuma and Tuzigoot," XXI, 56; "Birds of the Everglades," "Birds of Massachusetts," XXIII, 23.
- COLLINS, MRS. WM. H. A Sight Record of the Anhinga in Fremont Co., XXIII, 72.
- Columbus griseogen holboellii, XXIV, 18.
- Condor, California, XXIV, 40.
- Coot, XXI, 39, 54, 59; XXII, 27, 36, 37, 40, 58; XXIII, 8, 16, 20, 34, 37, 45, 46, 54; XXIV, 7, 12, 42, 49, 52, 54, 55, 59, 75; XXV, 4, 8, 40, 41, 57.
- COPP, C. ESTHER. Notes from Wheatland and Cedar Rapids, XXIV, 16; Bell's Vireo Nesting in S.E. Ia., XXIV, 81.
- Cormorant, XXIV, 52; XXV, 49. Double-crested, XXI, 16, 39, 42, 69; XXII, 10, 27, 40; XXIII, 16; XXIV, 6, 12, 74; XXV, 11, 40.
- Florida, XXV, 64.
- Corvus brachyrhynchos, XXIII, 53.
- Cowbird, XXI, 40; XXII, 28; XXIII, 11, 12, 13, 35, 63, 64; XXIV, 37, 42; XXV, 4, 30, 31, 40, 54. Eastern XXII, 41; XXIV, 77.
- COX, WM. T., and LANCE, DIETRICH. Review of their "Bird Stories," XXI, 43.
- Crane, XXV, 49. Sandhill, XXIV, 7, 21, 60, 75.
- Whooping, XXIV, 40, 43, 44, 79.
- Creepers, Brown, XXI, 17; XXII, 7; XXIII, 17, 21, 35; XXIV, 13, 35, 76; XXV, 9, 36.
- CROOKS, MALCOLM P., and HENDRICKSON, GEORGE O. Field Sparrow Life History in Central Iowa, XXIII, 10-13.
- Crossbill, Red, XXI, 20, 42; XXIII, 21; XXIV, 14, 37, 43, 78; XXV, 63.
- White-winged, XXIV, 78, 81; XXV, 16.

- CROSSLEY, GEORGE E. Two Records of the Hooded Warbler in Iowa, XXII, 30.
- CROSSLEY, MRS. GEORGE. (Frieda) Photograph of XXI, 37; Fall Meeting at Newton XXI, 52-53; Cedar Rapids Convention, XXII, 25-28; Fall Meeting at Waterloo, XXII, 57-58; Mt. Vernon Convention, XXIII, 29-35; Fall Meeting at Backbone State Park, XXIII, 64; Des Moines Convention, XXIV, 38-42; Sioux City Convention, XXV, 35-36, 38-40.
- CROSSLEY, MR. and MRS. GEORGE. Vacation in the Tetons, XXV, 18.
- CROW, XXI, 17, 39, 51; XXII, 4, 6, 8, 28; XXIII, 6, 17, 18, 35, 53, 67; XXIV, 13, 16, 35, 42, 68; XXV, 4, 5, 9, 36, 40, 60, 64. Eastern, XXIV, 76.
- Cuckoo, Black-billed, XXI, 51; XXII, 40; XXIV, 34, 42, 75; XXV, 63.
- Yellow-billed, XXI, 51; XXII, 28, 40; XXIII, 11; XXIV, 34, 42, 68, 75; XXV, 4, 63.
- Curlew, Eskimo, XXIV, 79.
- Hudsonian, XXIV, 79.
- Long-billed, XXIII, 56; XXIV, 78; XXV, 22, 49.

D

- DE LONG, MRS. W. C. English through Binoculars, XXV, 34; Performing Tufted Titmice, XXV, 40; Bird Notes from the Lamoni Region, XXV, 61.
- DEVOE, ALAN. Review of his "This Fascinating Animal World," XXI, 72.
- Dickcissel, XXI, 40; XXII, 10, 28, 41; XXIII, 8, 11, 35, 73; XXIV, 37, 42, 49, 78; XXV, 2, 4, 14, 40, 54.
- Dove, Ground, XXIV, 79.
- Inca, XXIV, 21.
- Mourning, XXI, 16, 39, 51, 53; XXII, 6, 10, 11, 23, 28, 40, 51, 52; XXIII, 8, 16, 21, 35; XXIV, 8, 12, 17, 40, 41, 42, 75; XXV, 4, 8, 11, 15, 16, 38, 40, 49.
- Rock, XXI, 14; XXIV, 75.
- Dowitcher, XXII, 40; XXIII, 34; XXIV, 42, 48, 49, 52, 75; XXV, 22, photograph 46, 47.
- DRAGOO, LAVINIA. Bird Study at Springbrook State Park, XXV, 2-4.
- DREIS, ROBERT E., and HENDRICKSON, Lark, XXI, 68.
- DREIS, ROBERT E., and HENDRICKSON, GEORGE O. Wood Duck Production from Nestboxes and Natural Cavities on the Lake Odessa Area, Ia. in 1951, XXII, 19-22.
- Duck, Black, XXI, 16, 42; XXII, 6; XXIII, 16, 48, 49; XXIV, 6, 12, 52, 74; XXV, 6, 8, 56.
- Blue-bill, XXIII, 48, 49.
- Fulvous Tree, XXIV, 79.

- Greater Scaup, XXIV, 78.
- Harlequin, XXV, 49. Western, XXIV, 79.
- Lesser Scaup, XXI, 16, 39; XXII, 6, 27, 35, 36, 37, 40; XXIII, 16, 34, 37, 45, 46, 47; XXIV, 7, 12, 17, 42, 52, 74; XXV, 8, 40, 41.
- Red-head, XXI, 16, 42, 54; XXII, 35, 36, 37, 40; XXIII, 16, 34, 46, 48, 49, 54; XXIV, 12, 52, 54, 55, 57, 74; XXV, 8, 11, 40, 41.
- Ring-necked, XXI, 16, 54; XXII, 6, 35, 36, 37, 40; XXIII, 16, 34, 46, 47, 48, 49, 54; XXIV, 14, 42, 49, 52, 54, 55, 74; XXV, 8, 41, drawing 66.
- Ruddy, XXI, 54; XXII, 35, 36, 40; XXIII, 16, 34, 46, 48, 49, 54; XXIV, 7, 12, 52, 54, 55, 74; XXV, 8, 11, 57.
- Scaup, XXI, 54; XXII, 44; XXIII, 54; XXIV, 19, 49, 54, 55.
- Wood, XXI, 6-9, 38, 39, 50, 54; XXII, photograph of nest 18, 19, 20, 21, 27, 35, 36, 40; XXIII, 16, 34, 43, 46, 48, 49, 54, 63; XXIV, 42, 47, 52, 55, 74, 80; XXV, 40, 68.
- Dunlin, XXIV, 51.

E

- Eagle, Bald, XXI, 16, 69; XXII, 6, 45, 60; XXIII, 16, 53, 54; XXIV, 7, 12, 14, 55, 60, 74; XXV, 8, 15, 36, 49.
- Golden, XXI, 10, 16, 18; XXII, 10, 45; XXIII, 56; XXIV, 7, 41, 74; XXV, 8, 10, 18, 49, 64.
- EDWARDS, ADA. Bird Day at Fairfield, XXIV, 43.
- Egret, XXI, 69; XXV, 54, 56. American, XXI, 9, 69; XXII, 45, 48; XXIII, 62; XXIV, 6, 19, 52, 56; XXV, 40, 49, 64.
- Cattle, XXIV, 60.
- Snowy, XXIII, 53; XXIV, 19, 55, 78; XXV, 49.
- Eider, American, XXIV, 79.
- King, XXI, 41, XXII, 45; XXIV, 15, 78, 84.
- ENNIS, J. HAROLD. Necrology by, XXII, 2-4; Whistling Swans in E. Ia., XXII, 43-44; photo of, XXIII, 51; The Pil-eated Woodpecker in Ia. with Nesting Notes on Jones Co., XXV, 50-53.

F

- Falco peregrinus, XXII, 46.
- Falcon, Prairie, XXI, 53; XXII, 10; XXIII, 16, 19; XXIV, 75; XXV, 18, 49.
- Fall I.O.U. Picnic at Davenport, XXIV, 70-71.
- FEENEY, THOMAS J. Compiling the State Bird List; Some Problems, XXI, 65-67; See Morrissey, Thomas.

- Finch, Brown-capped Rosy, XXV, 49.
 Cassin's Purple, XXV, 18.
 Gray-crowned Rosy, XXIV, 79;
 XXV, 49.
 House, XXIV, 21; XXV, 49.
 Purple, XXI, 27; XXII, 7, 28;
 XXIII, 17, 21; XXIV, 13, 37, 64,
 78; XXV, 9, 11, 36, 56.
 FINDLEY, J. S. Lark Sparrow in N. W.
 Ia., XXV, 41. Blue Grosbeak Records,
 XXV, 41.
 FISH, JOHN A.; SCOTT, DAVID F.; and
 HENDRICKSON, GEORGE O. Waterfowl
 Migration at Little Wall Lake, Ia.,
 Spring, 1952, XXIII, 54.
 FLEMING, LESTER C., and HENDRICKSON,
 GEORGE O. Migration at Little Wall
 Lake, Ia., Spring, 1951, XXI, 54.
 Flicker, XXI, 39, 51; XXII, 28, 51, 52,
 54, 55; XXIII, 6, 21, 35; XXIV,
 16, 33, 42; XXV, 4, 15, 35, 40, 52,
 55, 60, 68. Northern, XXII, 52;
 XXIV, 34.
 Red-shafted, XXIII, 53; XXIV, 21,
 22, 76; XXV, 18, 49.
 Yellow-shafted, XXI, 17; XXII, 6;
 XXIII, 16, 53; XXIV, 12, 76;
 XXV, 8, 11, 36.
 Flycatcher, Acadian, XXI, 39; XXIII,
 75; XXIV, 34, 76.
 Alder, XXI, 39, 51; XXIV, 34, 76;
 XXV, 47.
 Crested, XXI, 26, 39, 51; XXII, 10,
 28, 40; XXIII, 35; XXIV, 34, 42,
 76; XXV, 4, 16, 40, 68.
 Derby, XXIV, 44;
 Hammond's, XXV, 49.
 Least, XXI, 39; XXII, 28, 40; XXIII,
 35; XXIV, 34, 42, 76; XXV, 40,
 47, 56.
 Olive-sided, XXII, 40, 45; XXIII, 35;
 XXIV, 42, 76.
 Scissor-tailed, XXIII, 56; XXV, 66.
 Traill's, XXII, 40, 52.
 Yellow-bellied, XXIII, 53; XXIV,
 34, 76.
- G
- GABRIELSON, IRA N. Review of his
 "Wildlife Management," XXI, 56.
 Gadwall, XXI, 54; XXII, 35, 36, 40;
 XXIII, 16, 46, 48, 49, 54; XXIV,
 42, 48, 49, 52, 54, 55, 74; XXV, 40,
 41.
 Gallinule, XXIV, 52. Florida, XXI, 59;
 XXII, 58, photograph of nest 59;
 XXIII, 30, 34, 37; XXIV, 55, 59,
 75.
 Purple, XXIV, 79.
 Gannet, XXI, 62; XXII, 48.
Gavia arctica pacifica, XXIV, 18.
 Gnatcatcher, Blue-gray, XXII, 28; XXIII,
 33, 75; XXIV, 16, 35, 77; XXV, 47.
 Godwit, Hudsonian, XXII, 27, 40; XXIV,
 42, 48, 49, 52, 55, 59, 75; XXV,
 40, 47.
 Marbled, XXIV, 49, 52, 55, 75; XXV,
 22, 58.
 Golden-eye, XXII, 45; XXIII, 48, 49;
 XXIV, 16. American, XXI, 16, 54,
 XXII, 6, 35, 36; XXIII, 16, 46,
 54; XXIV, 7, 12, 52, 54, 74; XXV,
 8, 11, 41, 56.
 Barrow's, XXIV, 79; XXV, 49.
 Goldfinch, XXI, 17, 40, 51; XXII, 7, 12,
 28; XXIII, 11, 17, 21, 35, 69;
 XXIV, 13, 16, 20, 37, 42, 47, 78;
 XXV, 4, 9, 14, 16, 36, 40, 41, 55.
 Eastern, XXIII, 11.
 Green-backed, XXV, 49.
 Pine, XXIV, 6.
 Goose, Blue, XXI, 21, 54; XXII, 36, 37;
 XXIII, photograph 42, 44, 45, 46,
 48, 49, 54, 76; XXIV, 42, 49, 51,
 52, 54, 55, 74, 84.
 Canada, XXI, 21, 54; XXII, 10, 36,
 37; XXIII, 16, 46, 48, 49, 54;
 XXIV, 6, 19, 42, 52, 54, 55, 57, 60,
 74; XXV, 49.
 Emperor, XXIV, 79.
 Hutchin's, XXI, 21; XXIII, 53;
 XXIV, 19, 84.
 Lesser Snow, XXI, 54; XXII, 36, 37;
 XXIV, 17.
 Snow, XXI, 21; XXIII, photograph
 42, 44, 45, 46, 48, 49, 76; XXIV,
 6, 12, 49, 51, 52, 54, 55, 74; XXV,
 49.
 White-fronted, XXI, 21, 54; XXII,
 36, 37; XXIII, 46, 48, 49; XXIV,
 49, 52, 54, 55, 74; XXV, 49.
 Goshawk, XXII, 60; XXIV, 74.
 Mexican, XXIV, 79.
 Western, XXIII, 70.
 Grackle, XXI, 28; XXII, 11, 22, 54;
 XXIII, 8, 67, 68; XXV, 31, 35,
 58, 59.
 Bronzed, XXI, 17, 40; XXII, 7, 10,
 22, 28, 54; XXIII, 17, 21, 35, 36,
 67; XXIV, 13, 37, 42, 77; XXV,
 4, 9, 16, 21, 30, 31, 40, 49, 54.
 GRANGE, WALLACE BYRON. Review of his
 "Those of the Forest," XXV, 23.
 GRANT, MARTIN L. Blue Grosbeak in
 Ia., XXV, 4-5; Bird Study in a Field
 Course in Natural History, XXV, 48-50.
 Grebe, XXIV, 49; XXV, 57. Eared,
 XXI, 39, XXII, 40; XXIV, 49, 52,
 74; XXV, 49.
 Holboell's, XXIV, 18, 74; XXV, 13,
 49, 56, photograph 57.
 Horned, XXII, 45; XXIII, 37;
 XXIV, 52, 55, 74; XXV, 13.
 Pied-billed, XXI, 10, 16, 39, 59;
 XXII, 27, 40, 48; XXIII, 8, 34;
 XXIV, 6, 42, 52, 74; XXV, 2, 4, 8,
 40, 41.

- Western, XXIII, 56; XXIV, 74; XXV, 49, 57.
- GREER, EDWARD C. See Morrissey, Thomas.
- Grosbeak, Black-headed, XXIII, 56; XXIV, 79.
- Blue, XXII, 41; XXIII, 75; XXIV, 58, 59, 78; XXV, 4, 5, 41, 49, 54, 62.
- Canadian Pine, XXIII, 20.
- Evening, XXI, 71; XXIII, 20; XXIV, 9, 13, 37, 78; XXV, 15.
- Pine, XXI, 20; XXIII, 29; XXIV, 78, XXV, 9, 49.
- Rocky Mountain, XXV, 67.
- Rose-breasted, XXI, 14, 26, 40, 51; XXII, 28, 41; XXIII, 8, 35, 67, 68; XXIV, 37, 42, 78; XXV, 4, 40, 59, 63.
- Grouse, Blue, XXIII, 70.
- Pinnated, XXV, 36.
- Ruffed, XXI, 16, 66; XXIII, drawing 60; XXIV, 7, 12, 75; XXV, 7, 8, 36, 49.
- Sharp-tailed, XXIV, 79; XXV, 56.
- Sooty, XXV, 49.
- Guillemot, Pigeon, XXV, 49.
- Guiraca caerulea, XXV, 4, 5.
- interfusa, XXV, 3.
- Gull, XXIII, 36. Bonaparte's, XXIV, 75.
- California, XXV, 18, 49.
- Franklin's, XXI, 10, 20; XXII, 10, 40, 46; XXIII, 15, 16; XXIV, 18, 20, 42, 75; XXV, 18, 57.
- Glaucous, XXIII, 23; XXIV, 18, 19, 78.
- Glaucous-winged, XXV, 49.
- Great Black-backed, XXIV, 60, 79.
- Herring, XXI, 16, 39; XXII, 40; XXIII, 16; XXIV, 12, 18, 19, 42, 57, 75; XXV, 8, 49.
- Laughing, XXIV, 79.
- Ring-billed, XXI, 16; XXII, 10, 27, 40; XXIII, 16, 30; XXIV, 8, 12, 18, 42, 75; XXV, 8, 41, 49.
- Sabine's, XXIV, 79.
- Western, XXV, 49.
- GUTHRIE, RICHARD A. Bird Notes and Records, Late Fall and Winter of 1952-53, XXIII, 22.
- Gyr Falcon, XXIV, 78.
- H
- Haliaeetus leucocephalus, XXIII, 53.
- HAUSMAN, AUGUSTUS. Review of his "The Bird Book, A Picture Album of American Birds," XXV, 44.
- Hawk, American Rough-legged, XXI, 10, 16, 43, 53; XXII, 6; XXIII, 16, 18; XXIV, 12, 17, 74; XXV, 8.
- Bendire's Pigeon, XXIV, 84.
- Broad-winged, XXI, 67; XXII, 6, 60; XXIV, 7, 19, 74; XXV, 56.
- Cooper's, XXI, 16, 53; XXII, 6, 10, 60; XXIII, 16, 70; XXIV, 7, 12, 42, 74; XXV, 4, 8, 63.
- Duck, XXI, 66; XXII, 10, 46, 60; XXIV, 9, 12, 42, 48, 49, 51, 75; XXV, 49, 64.
- Ferruginous Rough-legged, XXIV, 74; XXV, 8, 10, 49.
- Harlan's, XXIII, 21.
- Harris's, XXIV, 79.
- Krider's, XXI, 19; XXIII, 16.
- Marsh, XXI, 16, 39, 43, 53, 67; XXII, 6, 10, 27, 60; XXIII, 8, 16, 18, 30, 73; XXIV, 7, 12, 16, 17, 74; XXV, 8, 11, 14, 40, 57, 64.
- Pigeon, XXI, 16; XXII, 60; XXIV, 75, 83; XXV, 56.
- Red-shouldered, XXI, 16, 39, 51; XXII, 6, 27, 30, 60; XXIII, 16; XXIV, 12, 16, 42, 74; XXV, 4, 8.
- Red-tailed, XXI, 16, 43, 53, 62, 67, XXII, 6, 8, 27, 60; XXIII, 16, 18, 19, 34, 70, photograph 70; XXIV, 7, 12, 16, 17, 42, 47, 74; XXV, 4, 8, 16, 36, 40, 54.
- Sharp-shinned, XXI, 16; XXII, 6, 10, 27, 60; XXIII, 16, 21, 23, 34, 70; XXIV, 7, 12, 74; XXV, 8.
- Sparrow, XXI, 16, 39, 43, 67; XXII, 6, 8, 10, 27, 51, 54, 60; XXIII, 16, 21, 34; XXIV, 7, 12, 16, 17, 42, 49, 75, 81; XXV, 4, 8, 10, 11, 14, 40, 62.
- Swainson's, XXII, 10, 45; XXIII, 37, 70; XXIV, 74; XXV, 47, 49.
- HAYS, RUSSELL M. Watching a Hawk Flight in Minn., XXII, 60; Bird Notes and Records; Late Fall and Winter of 1952-53, XXIII, 21; Partially Albino Chickadee, XXIII, 36; A Sight Record of the Worm-eating Warbler, XXIII, 54-55; Experiences with Shorebirds, XXIII, 71-72; Arkansas Kingbird in Black Hawk Co., XXIV, 55; Spring Planting, XXIV, 55; Yellow-crowned Night Heron in Black Hawk Co., XXIV, 56; Waterfowl at Sweet Marsh, XXIV, 57; An Anting Robin, XXIV, 81; Snow Buntings, XXV, 16; Red-breasted Nuthatch in Waterloo, XXV, 18; Water Birds at Sweet Marsh, XXV, 41; Bird Study in the Waterloo Region, XXV, 41; Upland Plovers in Ia., XXV, 60.
- HAZARD, NORWOOD C. A Cormorant in Winter, XXI, 42.
- Hen, Sage, XXV, 18.
- HENDRICKSON, GEORGE O. See Schreiner, Keith M.; Robbins, Otis; Fleming, Lester C.; Dreis, Robert E.; Bliese, John C. W.; Crooks, Malcolm P.; Fish, John A.; Case, Neil A.; Tanner, Ward D. Correction, XXIII, 37.

HENDRICKSON, MRS. GEORGE O. Necrology by, XXI, 70-71.

Heron, XXI, 41. Black-crowned Night, XXI, 19; XXII, 28, 40, drawing 47; XXIII, 9, 34; XXIV, 6, 42, 52, 56, 74; XXV, 11, 57.

Great Blue, XXI, 16; XXII, 6, 10, 27, 23, 41, 48; XXIII, 34; XXIV, 6, 42, 52, 74, 80; XXV, 4, 6, 8, 40, 41, 54, 63.

Green, XXI, 39; XXII, 27, 40, 48; XXIII, 34; XXIV, 6, 42, 47, 52, 74; XXV, 40, 63.

Little Blue, XXII, 40; XXIX, 6, 56, 59, 74.

Louisiana, XXIV, 60.

Yellow-crowned Night, XXII, 28, 46, 47; XXIV, 19, 56, 59, 74; XXV, 14, 40.

HEUSER, EDWARD. Hills Over the Mississippi: a Place for Bird Study, XXV, 54-56.

HICKS, ELLIS A. Review of his "Common Hawks and Owls of Ia.," XXI, 23.

HODGES, JAMES. Unusual Feeding of the E. Kingbird, XXI, 21; Breeding Birds of Credit Island, XXI, 50-51; Travels of a Red-shouldered Hawk, XXII, 30; Recent Changes in Davenport Bird Life, XXIII, 61-64; The Burtis H. Wilson Journals, XXIV, 5-8, 34-38.

Hummingbird, XXII, 51, 54; XXV, 3, 54. Anna's, XXIII, 56.

Black-chinned, XXIII, 56.

Calliope, XXV, 49.

Ruby-throated, XXI, 39, 52; XXII, 10, 28, 40; XXIII, 35, 63, 64; XXIV, 34, 42, 76; XXV, 4, 40.

Rufous, XXV, 49.

HUSEBY, JOHN. Drawing by, XXIV, 3.

I

Ibis, Glossy, XXV, 49.

White, XXIV, 79; XXV, 64.

White-faced Glossy, XXIV, 58, 78, photograph 80.

Wood, XXIV, 79.

Illinois Audubon Society and Tri-City Bird Club Iowa Meeting, XXIII, 36.

Iowa Distributional Check-list, XXIV, 72-79.

IOWA ORNITHOLOGISTS' UNION. Membership Roll, XXII, 61-64; photographs taken at 1953 Convention, XXIII, 30, 32, 34; Constitution and By-Laws, XXIII, 37-39; Articles of Incorporation, XXIII, 39-40; Membership Roll, XXIII, 77-80; Fall Picnic at Davenport, XXIV, 70-72; Membership Roll, XXV, 24-28.

J

Jaeger, Long-tailed, XXIV, 79.

Parasitic, XXIV, 79.

Jay, Blue, XXI, 14, 17, 39, 51; XXII, 4, 6, 8, 24, 25, 28; XXIII, 17, 18, 35, 70, 71, 75; XXIV, photograph 8, 13, 15, 16, 35, 42, 76; XXV, 4, 5, 9, 16, 36, 40, 41, 55, 58, 59, 64.

Canada, XXV, 49.

Green, XXIV, 43.

Long-crested, XXV, 67.

Oregon, XXV, 49.

Pinon, XXV, 67.

Rocky Mountain, XXV, 18.

Steller's, XXV, 18, 49.

JOHNSON, MR. and MRS. RALPH. Christmas Holidays in Texas, XXIV, 43-44.

JONES, MYRLE L. Bird-Banding-A Banner Day, XXI, 12-14, photographs by 12-13; The Hawk Mountain Flight, XXI, 62; American Egret in N. W. Ia., XXI, 69; Iowa Birders in Arizona, XXIV, 21; Yellow-crowned Night Heron in Ft. Defiance State Park, XXIV, 56; White-crowned and Gambel's Sparrows in the Western Half of Ia., XXIV, 63-65.

JONES, MR. and MRS. M. L. American Egret in N. W. Ia., XXI, 69.

Junco, XXI, 13; XXII, 5, 11; XXIII, 21; XXIV, 21, 64; XXV, 34, 49.

Cassiar, XXIV, 78.

Montana, XXIII, 15; XXIV, 78.

Oregon, XXIV, 8, 21.

Pink-sided, XXV, 18.

Slate-colored, XXI, 17; XXII, 4, 7, 8, 28; XXIII, 17, 18; XXIV, 8, 9, 13, 16, 37, 57, 78; XXV, 5, 9, 16, 36.

K

KEENAN, JIM. Albino Horned Lark and Fall Records, XXI, 20.

KENT, FRED W. Photograph of, XXI, 65; Notes on the Prairie Marsh Wren at Swan Lake in 1951, XXII, 12-13; Notes on Gallinules at Swan Lake in 1952, XXII, 58-59; photograph by, XXII, 59; Diary of a Great Horned Owl Nest, XXIII, 3-6; photographs by, XXIII, 2, 4, 5; Bird Notes and Records, Late Fall and Winter of 1952-53, XXIII, 21; photographs by, XXIII, 34, 65; XXIV, 8, 10, 46; Snowy Owl Record from Cedar Co., XXIV, 17-18; Spring Season of 1954 at Swan Lake, XXIV, 49-53; photographs by, XXIV, 50, 51, 53, 62, 80; Winter Notes from Johnson Co., XXV, 15-16; photographs by, XXV, 15, 32, 33, 46, 51-53, 57, 60; Birding in Minn. and N. Dak., XXV, 56-58.

KENT, TOM. Photographing Owls, XXI, 29-30; photographs by, XXI, 29, 30, 58, 60, 61; The Least Bitterns of Swan Lake, XXI, 59-61; Florida Gallinule at Swan Lake, XXII, 58.

KEYES, CHARLES REUBEN. Obituary and photograph of, XXII, 2-4.

- Killdeer, XXI, 39, 51, 53; XXII, 10, 27, 40, 43, 47; XXIII, 8, 31, 34; XXIV, 7, 12, 14, 16, 17, 42, 49, 52, 57, 75; XXV, 4, 8, 40, 41.
- KING, MRS. J. RAY. Bird Notes and Records, Late Fall and Winter of 1952-53, XXIII, 21; Arctic Towhee near Grundy Center, XXIII, 73; Bird Notes from Central Ia., XXIV, 59.
- Kingbird, XXII, 54; XXIII, 62, 66; XXIV, 34; XXV, 56.
Arkansas, XXI, 11; XXII, 10, 40; XXIV, 55, 76; XXV, 40, 49.
Couch's, XXIV, 44.
Eastern, XXI, 11, 21, 39; XXII, 28, 40; XXIII, 35; XXIV, 16, 42, 55, 76; XXV, 4, 40.
Western, XXIV, 59; XXV, 18.
- Kingfisher, XXII, 28, 41; XXIII, 35; XXIV, 42. Belted, XXI, 16, 39; XXII, 6; XXIII, 16; XXIV, 12, 16, 34, 76; XXV, 4, 8, 40.
- Kinglet, Golden-crowned, XXI, 17, 20; XXII, 7, 10, 11; XXIII, 17, 18, 21; XXIV, 13, 35, 77; XXV, 9, 11, 16.
Ruby-crowned, XXI, 39; XXII, 10, 77, 28, 41; XXIII, 11, 17, 18; XXIV, 35, 42, 77; XXV, 6, 9, 40.
- Kite, Everglades, XXIV, 40.
Mississippi, XXIV, 79.
Swallow-tailed, XXIV, 79.
- Kittiwake, Atlantic, XXIV, 79.
- KLINE, PAUL D. The Effect of Weather and Food on Fall Bird Migration, XXII, 11-12.
- KNOOP, PEARL. Birds Seen near Marble Rock, XXI, 19; Barn Owl and Other Records, XXII, 11; Bird Notes from N. Ia. XXIII, 37.
- Knot, XXIV, 60. American, XXIV, 79.
- KNUDSON, GILBERT. A Wintering Mockingbird at Emmetsburg, XXIV, 15.
- KOZICKY, E. L. An Observation on a Late Ring-necked Pheasant Brood, XXIII, 23; A Letter from the President, XXIII, 35; photograph XXIII, 35; A Letter from the President, XXIV, 15; Review of "Those of the Forest," XXV, 23.
- KUBICHEK, MRS. W. F. W. F. Kubichek Photographs Whooping Cranes, XXIV, 44.
- KUMLEIN, L., and HOLLISTER, NED. "Birds of Wisconsin" Available in Reprint Form, XXIII, 22.
- L
- LANGE, DIETRICH. See Cox, William T.
- Lark, Common Horned, XXIV, 34.
Horned, XXI, 17, 68; XXII, 6, 8; XXIII, 17, 21, 73; XXIV, 11, 13, 16, 34, 76; XXV, 2, 9, 10, 14, 15.
Prairie Horned, XXI, 20, 39; XXII, 28; XXIII, 35; XXIV, 34, 42; XXV, 4, 40, 61, 63.
Shore, XXIV, 34.
Western Horned, XXIV, 34.
- LARSON, GERALD E., Snowy Egret at Elk Horn, XXIV, 55.
- Larus hyperboreus, XXIV, 18.
- LEE, ZELL C. A Red-breasted Nuthatch in the Hand, XXII, 14; Obituary and photograph of, XXIII, 52.
- Longspur, XXV, 15. Black-bellied, XXV, 12.
Chestnut-collared, XXIV, 79; XXV, 12.
Lapland, XXI, 17, 53; XXII, 7, 8; XXIII, 17; XXIV, 17, 38, 78; XXV, 9, 12, 13, 42.
McCown's, XXIV, 79; XXV, 12.
Smith's, XXIV, 38, 78; XXV, 12, 13.
- Loon, XXI, 69; XXV, 49, 56. Common, XXIV, 74.
Lesser, XXII, 27.
Pacific, XXIII, 23; XXIV, 18, 78.
Red-throated, XXIV, 78.
- M
- MACMARTIN, MRS. W. G. Red-breasted Nuthatches at Tama, XXII, 28.
- MADSON, JOHN. Prairie Chickens on Booming Grounds, XXIV, 43.
- Magpie, XXV, 18, 36. American, XXII, 6; XXIII, 56; XXIV, 76.
Yellow-billed, XXIII, 56.
- Mallard, XXI, 16, 39, 42, 53, 54; XXII, 6, 34, 36, 37, 48; XXIII, 7, 16, 21, 34, 45, 46, 47, 48, 49, 54; XXIV, 6, 12, 16, 17, 42, 49, 52, 54, 55, 57, 74; XXV, 4, 6, 8, 11, 36, 40, 41, 50.
- MANGOLD, R. E. Notes on Bob-white Fall and Winter Mortality, XXI, 46-49.
- Man-o-war Bird, XXIV, 79; XXV, 64.
- Martin, Purple, XXI, 26, 39; XXII, 10, 23, 28, 40, 41; XXIII, 8, 35; XXIV, 42, 57, 76; XXV, 4, 40, 64, 65, 68.
- MARTIN, MRS. WILLIAM T. Banding Birds at Cedar Falls, XXV, 16.
- MCCABE, OLIVIA. A Record of the Black Rail near Des Moines, XXII, 42; Holboell's Grebe, a Sight Record for Polk Co., XXV, 13.
- MCELROY, THOMAS P. Review of his "Handbook of Attracting Birds," XXI, 23.
- Meadowlark, XXI, 17, 18, 53, 62, 66, 67; XXII, 4, 7, 8, 10, 40; XXIII, 8, 17, 19, 21, 66, 73; XXIV, 11, 13, 16, 17, 39, 41; XXV, 2, 9, 11, 14, 15, 61.
Eastern, XXII, 4, 28; XXIII, 35, 62; XXIV, 37, 39, 42, 77; XXV, 4, 40.

- Western, XXI, 11, drawing 19, 40, 66; XXII, 4, 28; XXIII, 11, 17, 35, 62; XXIV, 13, 39, 40, 42, 77; XXV, 4, 9, 40, 49, 61.
- MENABONI, ATHOS and SARA. Review of "Menaboni's Birds," XXI, 21.
- Merganser, XXIII, 48, 49; XXIV, 49. American, XXI, 16, 39, 54; XXII, 6, 36, 45; XXIII, 16, 46, 54; XXIV, 12, 52, 54, 57, 74; XXV, 8, 41, 56.
- Hooded, XXI, 8, 16; XXII, 19, 21, 36, 40; XXIII, 16, 46, drawing 59; XXIV, 7, 12, 14, 42, 52, 54, 55, 57, 74; XXV, 8.
- Red-breasted, XXI, 16, 54; XXII, 36, XXIII, 37, 46; XXIV, 12, 52, 54, 74; XXV, 8, 11.
- MERRYMAN, TOM. Photograph by, XXIV, 82.
- MEYER, ALFRED W. Glossy Ibis at Swan Lake, XXIV, 80.
- MILLSAUGH, D. D. Brown Thrasher Winters in Mt. Pleasant, XXII, 28.
- Mockingbird, XXI, 19, 62, 66; XXII, 41; XXIII, 14, 15, 17, 53; XXIV, 15, 21, 76; XXV, 14, 40, 54, 64.
- MOORE, JOHN PAUL. Bird Observations on a Trip in the Southwest, XXV, 66-67.
- MORRISON, KENNETH D., and HERZ, JOSEPHINE DANEMAN. Review of their "Where to Find Birds in Minn.," XXI, 22.
- MORRISON, KENNETH D.; BRECKENRIDGE, W. J., and HERZ, JOSEPHINE DANEMAN. Review of their revised edition of "Where to Find Birds in Minn.," XXV, 67.
- MORRISSEY, THOMAS. The Mississippi River Goose Flight, XXI, 21; Further Notes on Long-eared Owls, XXI, 28-29; Another Record of the King Eider, XXI, 41; Another Record for the American Scoter in Ia., XXIV, 15; Glaucous Gulls in the Davenport Area, XXIV, 18-19.
- MORRISSEY, THOMAS; FEENEY, RT. REV. THOMAS J.; GREER, REV. EDWARD C. Records of Unusual Birds from the Davenport Area during 1951, XXII, 45-46; Unusual Records from the Davenport Area during 1953, XXIV, 19-21.
- MURPHY, ROBERT CUSHMAN, and AMADON, DEAN. Review of their "Land Birds of America," XXIV, 22.
- MURRAY, JOSEPH JAMES. Review of his "A Check-list of the Birds of Virginia," XXII, 31.
- Murre, Brunnich's, XXIV, 79. California, XXV, 49.

N

- NEWMAN, ROBERT J. Studies of Nocturnal Bird Migration in Ia., XXII, 29-30.
- NICE, MARGARET MORSE. Some Letters of Althea Sherman, XXII, 51-55.
- Nighthawk, XXII, 28, 40; XXIII, 35; XXIV, 16, 34, 42, 76; XXV, 40. Pacific, XXIII, 56. Texas, XXIII, 56.
- Nutcracker, XXV, 49. Clark's, XXIV, 79; XXV, 18.
- Nuthatch, XXIII, 21; XXV, 35. Red-breasted, XXI, 17; XXII, 7, 9, 14, 28, 46, 57; XXIII, 17; XXIV, 13, 20, 35, 60, 76; XXV, 7, 9, 11, 15, 18, 56, 63.
- White-breasted, XXI, 14, 17, 39, 51; XXII, 4, 7, 28; XXIII, 14, 17, 18, 35, 67; XXIV, 8, 13, 16, 35, 42, 76; XXV, 4, 5, 9, 16, 18, 36, 40, 67.
- Nyroca, XXII, 45.

O

- Oidema americana Swainson, XXIV, 15.
- OLER, LINDA. Birds of a Feather, XXV, 34-35.
- Old Squaw, XXII, 45; XXIV, 12, 74, 83.
- OLLIVIER, ROY. Upland Plover Nesting near Mt. Pleasant, XXI, 40-41.
- ORCHARD, HUGH. Passing of the Prairie Chicken, XXIV, 2-5.
- Oreoscoptes montanus, XXIII, 23.
- Oriole, Baltimore, XXI, 26, 40, 51; XXII, 10, 28, 41, 54; XXIII, 8, 35; XXIV, 16, 37, 42, 77; XXV, 4, 40, 54, 63.
- Bullock's, XXIII, 56; XXV, 49, 67.
- Hooded, XXIII, 56.
- Orchard, XXI, 11; XXII, 10, 28, 41; XXIII, 8; XXIV, 16, 37, 42, 77; XXV, 40, 63.
- ORR, ELLISON. Biography of, XXI, 11.
- Osprey, XXI, 39; XXII, 10, 27, 40, 60; XXIV, 48, 74; XXV, 49, 56.
- Otocoris alpestris, XXIV, 34. Otocoris alpestris praticola, XXIV, 34.
- Oven-bird, XXI, 39, 51, 69; XXII, 28, 41; XXIII, 35, 63, 64; XXIV, 29, 36, 42, 58, 77; XXV, 2, 4, 16, 17, 19, 20, 40.
- Owl, XXV, 49, 54. American Hawk, XXIV, 79. Arctic Horned, XXI, 43. Barn, XXII, 11, 46; XXIV, 75. Barred, XXI, 16, 51, 63, drawing 63, 64, 65, photograph 65; XXII, 6, 28; XXIII, 16, 30, 35; XXIV, 12, 16, 34, 42, 47, 76; XXV, 2, 3, 4, 8, 41.
- Burrowing, XXI, 11; XXII, 40; XXIII, 8; XXIV, 76.

- Great Gray, XXIV, 79.
 Great Horned, XXI, 16, 39, 43, 64, 65; XXII, 2, 6, 28, 29; XXIII, photograph 2, 3, 4, 5, 16, 18, 30; XXIV, 12, 34, 47, 76; XXV, 8, 16, 36, 40, 47.
 Long-eared, XXI, 16, 28, photograph 29, 30, 69; XXII, 6; XXIII, 16, 30, drawing 61; XXIV, 12, 34, 76; XXV, 8, photograph 15, 16.
 Richardson's, XXIV, 79.
 Saw-whet, XXI, 16, 29, photograph 30; XXII, 6, 37, drawing 38, 39; XXIII, 16, 21, 30; XXIV, 12, 14, 34, 76; XXV, 8, 16.
 Screech, XXI, 16, 29; XXII, 6, 51, 54; XXIII, 16; XXIV, 12, 33, 34, 75; XXV, 8, 36, 54, 63.
 Short-eared, XXI, 16, 53; XXII, 6; XXIII, 16, 18, 21; XXIV, 12, 76; XXV, 8, 16, 57.
 Snowy, XXIII, 30; XXIV, 17, 76, 81, photograph 82; XXV, 6, 8, 11.
 Oyster-catcher, Black, XXV, 49.
- P
- PALAS, ARTHUR J. A Kinglet Visitor, XXI, 20.
 Paroquet, Louisiana, XXIV, 79
 Parrakeets, Review of "Care and Breeding of Budgies," by Cyril H. Rogers, and "All About Parrakeets," by Earl Schneider, XXIV, 22.
 PARSONS, MRS. ROBERT. Observations on Red-winged Blackbirds, XXII, 42.
 Partridge, Chukar, XXI, 10.
 European, XXI, 10; XXII, 6.
 Hungarian, XXI, 10, 39; XXIV, 75.
 Pauraque, XXIV, 43.
 Pelican, XXII, 14; XXV, 57.
 E. Brown, XXIV, 79; XXV, 64.
 White, XXI, 10; XXII, 10, 40; XXIII, 53; XXIV, 6, 49, 51, 52, 74; XXV, 16, 40, 49.
 PETERSON, PETER C., JR. Bird Notes and Records, Late Fall and Winter of 1952-53, XXIII, 20-21; Records from S.E. Ia., XXIII, 53; Bird Notes from S.E. Ia., XXIV, 56-57; Arctic Towhee and Leconte's Sparrow, XXV, 13; November Records in S.E. Ia., XXV, 16.
 PETTINGILL, OLIN SEWALL, JR. Reviews of his "A Guide to Bird Finding East of the Mississippi," XXI, 55; "A Guide to Bird Finding West of the Mississippi," XXIII, 75-76.
 Pewee, Wood, XXI, 51; XXII, 28; XXIII, 35; XXIV, 34, 42; XXV, 4, 40.
 Eastern, XXII, 40; XXIV, 76.
 Western, XXIV, 79.
 Phainopepla, XXIII, 56; XXIV, 21.
 Phalarope, Northern, XXIV, 49, 52, 75.
 Red, XXIV, 79.
 Wilson's, XXI, 39; XXII, 40; XXIV, 42, 48, 49, 52, 75; XXV, 4, 40.
 Phasianus colchicus torquatus, XXI, 30; XXIII, 23, 26, 53.
 Pheasant, Ring-necked, XXI, 16, 30, 31, 32, 39, 41; XXII, 6, 8, 27; XXIII, 16, 18, 19, 23, 26, 34, 53, 54; XXIV, 11, 12, 16, 42, 75; XXV, 4, 8, 10, 11, 14, 36, 40, 54.
 Phoebe, XXII, 28, 54; XXIII, 8, 11, 35, drawing 63, 64; XXIV, 34, 42, XXV, 3, 4, 13, 40. Eastern, XXII, 40; XXIII, 63; XXIV, 76.
 Say's, XXIV, 79; XXV, 49.
- PIERCE, FRED J. The 1950 Christmas Bird Census in Ia., XXI, 14-18; Catbirds Battle Snake, XXI, 68; Notes from Buchanan Co., XXI, 69; The 1951 Christmas Bird Census in Ia., XXII, 4-9; Water Birds at Sweet Marsh, XXII, 48; The 1952 Christmas Bird Census in Ia., XXIII, 14-20; Pileated Woodpecker in Buchanan Co., XXIII, 23; Bird Research Library Is Established at Mt. Vernon, XXIII, 50-51; The 1953 Christmas Bird Census in Ia., XXIV, 8-14; The 1954 Christmas Bird Census in Ia., XXV, 5-12; Flicker Imprisoned in Chimney, XXV, 60. Editorial notes, book reviews, membership news and obituaries by, XXI, 21-24; 43-44, 55-56, 71-72; XXII, 14-16, 30-32, 48, 60; XXIII, 22-24, 55-56, 75-76; XXIV, 23, 44, 53, 59-60, 83-84; XXV, 19, 21-23, 42-44, 67-68.
 Pigeon, Band-tailed, XXV, 49.
 Passenger, XXIV, 79; XXV, 22.
 PIKE, MRS. WALTER. Bird Notes and Records, Late Fall and Winter of 1952-53, XXIII, 20; Mockingbird at Coggon, XXIII, 53.
 Pintail, American, XXI, 16, 39, 54; XXII, 34, 35, 36, 37, 40, 48; XXIII, 16, 34, 45, 46, 48, 49, 54; XXIV, 12, 16, 17, 49, 52, 54, 55, 57, drawing 73, 74; XXV, 8, 40, 41.
 PIPER, ROBERT L. Bird Observations at Chariton, XXV, 63-64.
 Pipit, XXV, 49. American, XXI, 20; XXII, 41; XXIV, 42, 77; XXV, 18, 47.
 Sprague's, XXIV, 42, 79.
 Plectophenax n. nivalis, XXIV, 18.
 Plover, American Golden, XXI, 39; XXII, 10, 27, 45; XXIII, 72; XXIV, 7, 19, 42, 51, 52, 75; XXV, 47.
 Black-bellied, XXI, 39; XXII, 27; XXIV, 19, 42, 51, 52, 55, 75, 84.

Piping, XXII, 43; XXIV, 49, 52, 59, 60, 75.

Ringed, XXIV, 49, 52.

Semipalmated, XXII, 27, 40; XXIII, 34; XXIV, 42, 75; XXV, 4, photograph 33.

Upland, XXI, 19, 39, 40, 69; XXII, 27, 40; XXIII, 8, 34, 62, 75, 76; XXIV, 7, 52, 75; XXV, 14, 60, 61.

Wilson's, XXIV, 60.

POLDER, EMMETT and EDITH. Winter Feeding of Pheasants after Heavy Snow, XXI, 41.

Poor-will, Nuttall's, XXIV, 79.

Puffin, Tufted, XXV, 49.

Pyrrhuloxia, XXIV, 21, 43.

Q

Quail (see Bob-white).

Arizona Scaled, XXIV, 79.

California, XXV, 49.

Gambel's, XXIV, 21.

Valley, XXIII, 56.

R

Rail, Black, XXII, 43; XXIV, 79.

Clapper, XXIV, 60.

King, XXII, 40; XXIII, 30, 34, 62;

XXIV, 7, 48, 49, 51, 52, 66, 75; XXV, 2, 4.

Sora, XXI, 39; XXII, 11, 27, 40, 48; XXIII, 34, 62; XXIV, 7, 42, 48, 49, 51, 52, 65, 66, 68, 75; XXV, 40.

Virginia, XXII, 27; XXIII, 34, 37; XXIV, 7, photograph 48, 49, photograph 51, 52, 65, 70, 75.

Yellow, XXIV, 7, 75.

Raven, XXV, 18. American, XXII, 45; XXIV, 79; XXV, 49.

White-necked, XXIV, 43.

RECTOR, HARRY E. Great Horned Owl Takes Rubber Duck Decoy, XXII, 29.

Redpoll, XXIII, 21; XXIV, 37; XXV, 9, 11, 15. Common, XXIII, 17, 20; XXIV, 78; XXV, 42.

Hoary, XXIV, 79.

Redstart, American, XXI, 39, 51; XXII, 10, 28, 41, 45; XXIII, 35, XXIV, 17, 36, 42, 77; XXV, 3, 4, 17, 40, 55, 56.

REECE, MAYNARD. A Sight Record of White-faced Glossy Ibis, XXIV, 58.

Road-runner, XXIII, 56; XXIV, 21, XXV, 67.

ROBBINS, CHANDLER S. See Briggs, Shirley A.

ROBBINS, OTIS, and HENDRICKSON, GEORGE O. Productivity of the Ring-necked Pheasant in S.E. Ia., 1950, XXI, 30-32.

ROBERTS, HOMER D., and MESSNER, CLARENCE J. Review of their "Enjoying Birds in Michigan," XXII, 31.

ROBERTS, F. L. R. Bird Life in the Spencer Region, XXI, 10-11.

ROBERTS, DRS. FRANK and MARY. Notes on the Flight Habits of Birds, XXIII, 36.

ROBERTS, DR. MARY PRICE. Letter from, XXII, 32.

ROBERTS, HUGH M. Photographs by, XXIII, 30, 32, 51.

Robin, XXI, 17, 18, 19, 26, 28, 39, 42, 51; XXII, 7, 10, 22, 23, 24, 28, 40; XXIII, 8, 11, 17, 22, 35, 66, 68, 69; XXIV, 13, 15, 35, 42, 76, 81; XXV, 3, 4, 9, 11, 15, 16, 40, 55, 58, 64.

ROOT, OSCAR M. A Critique on the New Check-list of Iowa Birds, XXII, 44-45.

RUEGNITZ, MRS. ROBERT. Red Crossbills at Dubuque, XXI, 42; Bell's Vireo Nesting at Dubuque, XXII, 30; Red Crossbills at Dubuque, XXIV, 43.

Ruff, XXIV, 79.

S

SAGE, JAMES R. Obituary of, XXII, 14.

Sanderling, XXIII, 71, 72; XXIV, 20, 51, 52, 75.

Sandpiper, Baird's, XXII, 27; XXIII, 53, 71, 72; XXIV, 42, 49, 52, 75; XXV, 40.

Buff-breasted, XXIV, 52, 79.

Least, XXI, 39; XXII, 27, 40; XXIII, 34, 71, 72; XXIV, 8, 42, 49, 52, 75; XXV, 4.

Pectoral, XXI, 39; XXII, 27, 40, 47, 54; XXIII, 34, 37, 75; XXIV, 8, 42, 49, 52, 75; XXV, 4, 40.

Purple, XXIV, 79.

Red-backed, XXII, 47; XXIV, photographs 32-33, 42, 48, 51, 52, 75; XXV, photograph 33.

Semipalmated, XXII, 40; XXIII, 34, 71, 72; XXIV, 42, 49, 52, 75; XXV, 40, photograph 60.

Solitary, XXII, 10, 27, 40, 47; XXIII, 34; XXIV, 7, 42, 52, 75; XXV, 40.

Spotted, XXI, 39, 51; XXII, 27, 40; XXIII, 8, 34; XXIV, 7, 42, 52, 75; XXV, 40.

Stilt, XXII, 40; XXIV, 42, 52, 75; XXV, 40.

Western, XXIV, 78.

White-rumped, XXII, 27, 40; XXIII, 72; XXIV, 42, 52, 75, 84.

Sapsucker, Red-naped, XXV, 18.

Yellow-bellied, XXII, 10, 59; XXIII, 35; XXIV, photograph 10, 12, 34, 76.

Williamson's, XXV, 49.

SCHORGER, A. W. Review of his "The Passenger Pigeon: Its Natural History and Extinction," XXV, 22-23.

- SCHREINER, KEITH M., and HENDRICKSON, GEORGE O. Wood Duck Production Aided by Nesting Boxes, Lake Odessa, Ia. in 1950, XXI, 6-10.
 Scoter, XXV, 49. American, XXIV, 15, 60, 78.
 Surf, XXIV, 60, 74.
 White-winged, XXIII, 15, 16; XXIV, 74; XXV, 11.
 SCOTT, DAVID F. See Fish, John A.
 SERHOUSEK, LILLIAN. Report on the Spencer Convention, XXI, 37-40.
 SHERMAN, ALTHEA R. Review of her "Birds of an Iowa Dooryard," XXII, 15-16; painting by, XXII, 50; photograph of, XXII, 53; drawing by, XXIII, 63; photograph of, XXIV, 31; drawing by, XXIV, 32.
 SAWYER, EDMUND J. Review of his "Bird Houses, Baths and Feeding Shelters," XXV, 67.
 SHERMAN, JIM. Photographs by, XXI, 47, 49.
 SHERMAN SISTERS. Photograph of, XXIV, 31.
 Shoveller, XXI, 39, 54; XXII, 35, 36, 40; XXIII, 34, 46, 48, 49, 54; XXIV, 12, 17, 42, 48, 49, 52, 54, 55, 74; XXV, 40.
 Shrike, XXII, 14; XXV, 15. Migrant, XXI, 39; XXII, 28, 41; XXIII, 35; XXIV, 35, 42, 77; XXV, 4, 40.
 Northern, XXI, 27, 53; XXIII, 21; XXIV, 6, 9, 13, 36, 77; XXV, 6, 7, 9, 16.
 SIEH, JAMES G. The Waterfowl Story in Ia., XXIII, 43-49.
 Siskin, XXII, 56; XXV, 15. Pine, XXI, 17; XXII, 7, 10, 42, 55, 56, 57; XXIII, 17, 21, 35, 37; XXIV, 6, 13, 20, 37, 47, 60, 78; XXV, 9, 18, 35, 40, 41.
 Northern, XXII, 45.
 Skimmer, Black, XXIV, 43, 60.
 Snipe, XXIV, 49, 52. Wilson's, XXI, 6, 10, 27, 40; XXIII, 16; XXIV, 7, 17, 75; XXV, 7, 8, 40, 41.
 Solitaire, Townsend's, XXIII, 23; XXIV, 79.
 Somateria spectabilis. XXI, 41.
 SOOTS, Mrs. C. U. Chimney Swifts in a Fireplace, XXV, 60.
 Sora (see Rail).
 Sparrow, Baird's, XXIV, 78.
 Bachman's, XXIV, 79.
 Brewer's, XXV, 18, 49.
 Chipping, XXI, 40, 51; XXII, 7, 10, 28, 41, 54; XXIII, 35; XXIV, 13, 20, 37, 42, 78; XXV, 4, 40.
 Clay-colored, XXI, 20, 40; XXII, 10, 28, 41, 45; XXIV, 38, 78, XXV, 40, 57.
 Desert, XXIV, 21; XXV, 67.
 English, XXI, 17, 28, 40, 51; XXII, 4, 7, 28, 41, 57; XXIII, 17, 18, 19, 35, 67; XXIV, 11, 13, 16, 36, 37, 42, 77; XXV, 4, 5, 9, 10, 19, 34, 36, 40, 55, 56.
 Field, XXI, 40; XXII, 28, 41; XXIII, 10, 13, 17, 29, 35; XXIV, 13, 38, 42, 78; XXV, 3, 4, 40, 42.
 Fox, XXI, 17; XXII, 41; XXIII, 17, 22; XXIV, 13, 20, 38, 78; XXV, 16, 34.
 Gambel's, XXI, 11; XXIV, 21, 47, photograph 62, 63, 65, 78; XXV, 15, 47.
 Golden-crowned, XXIV, 79.
 Grasshopper, XXI, 40, XXII, 41; XXIII, 10, 11, 35, 62, 73; XXIV, 6, 37, 42, 78; XXV, 2, 4, 40.
 Harris's, XXI, 17, 40, 53; XXII, 7, 9, 11, 28, 41; XXIII, 17, 21, 22, 35; XXIV, 13, 17, 38, 47, 64, 78; XXV, 9, 11, 16, 34.
 Henslow's, XXIII, 73; XXIV, 56, 78; XXV, 14.
 House, XXV, 49.
 Lark, XXI, 19, 20, 40; XXII, 28, 41; XXIII, 35; XXIV, 37, 42, 78; XXV, 2, 4, 40, 41, 63.
 Leconte's, XXI, 20, 27; XXII, 10, 54; XXIV, 60, 78; XXV, 11, 13.
 Lincoln's, XXI, 40; XXII, 4; XXIV, 38, 42, 64, 78; XXV, 40, 42, 47.
 Nelson's, XXII, 54; XXIV, 78.
 Sage, XXV, 49.
 Savannah, XXI, 20, 40; XXII, 41; XXIII, 73; XXIV, 37, 42, 78; XXV, 40, 56.
 Song, XXI, 17, 40, 51; XXII, 7, 28, 41; XXIII, 14, 17, 18, 19, 21, 22, 35, 36; XXIV, 11, 13, 16, 17, 38, 42, 78; XXV, 4, 9, 10, 34, 36, 40, 42.
 Swamp, XXI, 40; XXII, 28, 41; XXIII, 35; XXIV, 13, 38, 78; XXV, 7, 9, 42.
 Tree, XXI, 14, 17, 53; XXII, 4, 5, 7, 8, 28; XXIII, 17, 18, 21; XXIV, 8, 13, 16, 37, 57, 64, 78; XXV, 9, 15, 36.
 Vesper, XXI, 40; XXII, 10, 11, 28, 41; XXIII, 35; XXIV, 6, 14, 37, 42, 78; XXV, 14, 40. Eastern, XXII, 45.
 White-crowned, XXI, 11; XXII, 5, 7, 10, 28, 41; XXIII, 17, 35; XXIV, 13, 38, 42, photograph 62, 63, 64, 65, 78; XXV, 11, 15, 40, 47, 49, 63.
 White-throated, XXI, 40; XXII, 7, 28, 41; XXIII, 17, 35; XXIV, 13, 20, 38, 42, 64, 78; XXV, 9, 11, 16, 56, 63.
 Yellow-winged, XXIV, 6.

Spoonbill, Roseate, XXIII, 24; XXV, 64, 64.

Starling, XXI, 8, 13, 17, 26, 39, 51; XXII, 4, 7, 22, 23, 28, 42, 57; XXIII, 15, 17, 18, 35, 67; XXIV, 8, 11, 13, 16, 42, 77; XXV, 5, 9, 10, 30, 31, 36, 40, 56.

STEFFEN, EARNEST W. Drawings by, XXI, 19 and 63; Birds at My Studio Window, XXI, 63-65; An Experience with a Saw-whet Owl, XXII, 37-39; drawings by, XXII, 38 and 47; Those Pen-and-Ink Drawings, XXIII, 58-60; drawings by, XXIII, 59-61; photograph of, 58; book review by, XXIV, 22; drawings by, XXIV, 73 and XXV, 66.

STEPHENS, T. C. MRS. H. J. TAYLOR, Biographer, XXI, 2-5; photograph of, XXIV, 27.

STEWART, DR. CHARLES A. Obituary, XXIV, 53.

STILES, BRUCE F. Sage Thrasher in Ia., a Sight Record, XXIII, 22-23; Blue Jay Breaks Ice, XXIV, 15; photograph of, XXV, 37; letter from, XXV, 37.

Stilt, XXIII, 71; XXV, 49. Black-necked, XXIII, 56; XXIV, 59, 79.

STONER, DR. DAYTON and LILLIAN C. Review of their "Birds of Washington Park, Albany, N. Y.," XXIII, 24.

Strix varia, XXI, 63.

STUART, FRANK S. Review of his "Wild Wings," XXII, 16.

Swallow, Bank, XXI, 39; XXII, 10, 28, 40; XXIII, 35; XXIV, 35, 42, 76; XXV, 3, 4, 40.

Barn, XXI, 26, 39; XXII, 10, 28, 40; XXIII, 8, 35; XXIV, 35, 42, 76; XXV, 3, 4, 40, 49.

Cliff, XXI, 39; XXII, 10, 28, 32, 40; XXIII, 30, 35; XXIV, 35, 42, 76; XXV, 2, 3, 4, 40, 50, 56.

Rough-winged, XXI, 39; XXII, 10, 28, 40; XXIII, 35; XXIV, 35, 42, 76; XXV, 3, 4, 40.

Tree, XXI, 39, 51; XXII, 10, 28, 40, 45; XXIII, 35; XXIV, 34, 42, 76; XXV, 40, 68.

Violet-green, XXIII, 56; XXV, 49.

Swan, Trumpeter, XXII, 45; XXIV, 79; XXV, 18.

Whistling, XXI, 54, 69; XXII, 43, 44, photograph 44; XXIV, 6, 19, 60, 74, 84; XXV, 49, 54.

Swift, Chimney, XXI, 26, 39; XXII, 10, 28, 40, 51, 52, 54, 55; XXIII, 35; XXIV, 33, 34, 42, 76; XXV, 3, 4, 40, 42, 60.

White-throated, XXV, 49, 67.

T

Tanager, Scarlet, XXI, 40; XXII, 10, 28, 41; XXIII, 35; XXIV, 37, 42, 78; XXV, 2, 4.

Summer, XXIII, 63, 64, 74; XXIV, 37, 78.

Western, XXIII, 56; XXIV, 79; XXV, 18, 49.

TANNER, WARD D., and HENDRICKSON, GEORGE O. Ecology of the Virginia Rail in Clay Co., Ia., XXIV, 65-70.

TAYLOR, MRS. H. J. Biography and bibliography of, XXI, 2-5; photograph of, XXI, 3.

Teal, XXIV, 49. Blue-winged, XXI, 9, 39, 54; XXII, 27, 34, 35, 36, 37, 40, 44, 48; XXIII, 34, 45, 46, 47, 48, 49, 54; XXIV, 6, 42, 48, 49, 52, 54, 55, 74, 80; XXV, 4, 40, 41, 64.

Cinnamon, XXIII, 54; XXIV, 74; XXV, 50.

European, XXIV, 79.

Green-winged, XXI, 54; XXII, 34, 35, 36, 37, 40, 46, 48; XXIII, 46, 47, 48, 49; XXIV, 42, 48, 49, 52, 54, 55, 57, 74; XXV, 6, 8, 40, 41.

TEER, JAMES G. The 1950 Fall Migration through the Forney Area, Fremont Co., Ia., XXII, 34-37.

Tern, Black, XXI, 39; XXII, 28, 40; XXIII, 8, 30, 35; XXIV, 8, 42, 68, 75; XXV, 4, 14, 40, 56, 57.

Caspian, XXII, 29; XXIII, 37; XXIV, 8, 43, 55, 75; XXV, 49.

Common, XXI, 11, 39; XXII, 40; XXIII, 35; XXIV, 42, 75.

Forster's, XXI, 11, 19, 39; XXII, 28; XXIV, 42, 75; XXV, 14, 40.

Gull-billed, XXIV, 43, 79.

Least, XXII, 40; XXIV, 60, 75; XXV, 40.

Royal, XXIV, 43.

Thrasher, Brown, XXI, 26, 39, 51; XXII, 7, 23, 28, 41, painting 50; XXIII, 8, 11, 35; XXIV, 35, 42, 76; XXV, 4, 9, 12, 16, 40, 49, 54, 55, 63.

Sage, XXIII, 22, 23; XXV, 18.

Thrush, Gray-cheeked, XXI, 39; XXII, 28, 41; XXIII, 22, 35; XXIV, 35, 42, 76; XXV, 40.

Hermit, XXII, 41; XXIII, 22; XXIV, 35, 76; XXV, 11, 49, 56.

Olive-backed, XXI, 39; XXII, 10, 28, 41; XXIII, 35; XXIV, 17, 35, 42, 76; XXV, 40.

Russet-backed, XXIV, 79.

Varied, XXV, 49.

Willow, XXI, 39; XXII, 28, 41; XXIV, 42, 77.

Wilson's, XXIV, 35.

- Wood, XXI, 19, 51; XXII, 28, 41; XXIII, 35, 63, 64; XXIV, 29, 35, 42, 76; XXV, 4, 40, 65.
- Titmouse, XXV, 54, 64. Bridled, XXIV, 43. Plain, XXV, 67.
- Tufted, XXI, 13, photographs 13-14, 17, 39, 51; XXII, 7, 13, 14, 28; XXIII, 17, 18, 35, 75; XXIV, 13, 16, 42, 76; XXV, 4, 9, 34, 35, 40, 67.
- Totanus flavipes, XXII, 42.
- Towhee, XXIV, 29; XXV, 3, 63. Abert's, XXIV, 21.
- Arctic, XXII, 10, 41; XXIII, 17, 53, 73; XXIV, 78; XXV, 13.
- Eastern, XXV, 13.
- Green-tailed, XXIII, 56.
- Spotted, XXV, 49, 67.
- Spurred, XXV, 67.
- Turkey, XXIV, 44; XXV, 49. Eastern, XXII, 45.
- Water, XXIII, 72.
- Turnstone, Ruddy, XXIII, 72; XXIV, 50, photograph 51, 52, 55, 75, 84, XXV, 49.

V

- VANE, DR. ROBERT F. Photograph with Dr. L. F. Vane, XXIV, 46; Century Day in the Iowa City Region, XXIV, 47-49; photograph by, XXIV, 48; A Second Century Day in the Iowa City Region, XXV, 47; photograph by, XXV, 53.
- VAUGHN, EDWARD C. Black-throated Blue Warbler, XXIV, 81.
- Veery, XXIV, 35; XXV, 56.
- Vireo, Bell's, XXII, 10, 28, 30, 41; XXIII, 35, 63, 64; XXIV, 36, 42, 56, 77, 81; XXV, 40.
- Blue-headed, XXI, 39; XXII, 28, 41; XXIII, 35, 68; XXIV, 36, 42, 77; XXV, 47.
- Philadelphia, XXI, 39, 40; XXIV, 36, 77; XXV, 40.
- Red-eyed, XXI, 26, 51; XXII, 10, 24, 28, 41, 45; XXIII, 35; XXIV, 36, 42, 77; XXV, 4, 40.
- Warbling, XXI, 39, 51; XXII, 10, 24, 28, 41; XXIII, 35; XXIV, 36, 42, 77; XXV, 4, 40.
- White-eyed, XXI, 19; XXII, 29, 41; XXIV, 77.
- Yellow-throated, XXI, 39, 51; XXII, 10, 28, 41, 45; XXIII, 35, 68; XXIV, 36, 42, 77.
- Vulture, Black, XXIV, 79.
- Turkey, XXI, 66; XXII, 11, 27, 40; XXIII, 75; XXIV, 42, 74; XXV, 40.

W

- WALLACE, GEORGE J. Review of his "An Introduction to Ornithology," XXV, 42-43.
- Warbler, Audubon's, XXIV, 43; XXV, 18, 49.
- Bay-breasted, XXII, 41; XXIV, 36, 42, 77.
- Black and White, XXI, 39; XXII, 28, 41; XXIII, 35, 75; XXIV, 17, 36, 42, 77; XXV, 17.
- Blackburnian, XXI, 39; XXII, 28, 41; XXIII, 35; XXIV, 36, 42, 77; XXV, 17, 40, 56.
- Black-poll, XXI, 39; XXII, 28, 41; XXIII, 35; XXIV, 36, 42, 77, XXV, 17.
- Black-throated Blue, XXIV, 20, 36, 77, 81.
- Black-throated Gray, XXIII, 56.
- Black-throated Green, XXI, 39; XXII, 28, 41; XXIV, 36, 42, 77; XXV, 17, 47, 56.
- Blue-winged, XXII, 28, 41, 46; XXIII, 35; XXIV, 20, 36, 77; XXV, 40.
- Canada, XXI, 39; XXII, 41; XXIV, 37, 77, 81; XXV, 17, 56.
- Cape May, XXII, 41, 46; XXIII, 35; XXIV, 20, 36, 42, 77.
- Cerulean, XXII, 28; XXIII, 35; XXIV, 20, 77; XXV, 47.
- Chestnut-sided, XXI, 39; XXII, 28, 41, 42; XXIII, 35; XXIV, 17, 36, 42, 77; XXV, 17, 56.
- Connecticut, XXI, 68; XXII, 42, 46; XXIV, 77; XXV, 16.
- Golden-winged, XXI, 19; XXII, 28, 46; XXIII, 35; XXIV, 20, 42, 77; XXV, 17.
- Hooded, XXII, 30; XXIV, 36, 78.
- Kentucky, XXII, 46; XXIII, 74, 75; XXIV, 42, 58, 77.
- Kirtland's, XXIV, 79.
- Macgillivray's, XXV, 49.
- Magnolia, XXI, 39; XXII, 28, 41; XXIII, 35; XXIV, 36, 42, 77, XXV, 16, 17.
- Mourning, XXII, 10, 41, 46; XXIII, 35; XXIV, 20, 36, 42, 77, 81; XXV, 17.
- Myrtle, XXI, 20, 26, 39, 69, 70; XXII, 10, 28, 41; XXIII, 35; XXIV, 13, 36, 42, 77, 81; XXV, 18, 40.
- Nashville, XXI, 39, 70; XXII, 28, 41; XXIII, 35; XXIV, 36, 42, 77, 81; XXV, 17.
- Orange-crowned, XXI, 39, 69, 70; XXII, 10, 41; XXIII, 35; XXIV, 36, 42, 77, 81; XXV, 18.

- Palm, XXI, 39, 70; XXII, 11, 28, 41; XXIII, 35; XXIV, 36, 42, 77.
- Parula, XXII, 28, 41, 46; XXIII, 37; XXIV, 20, 36, 42, 77; XXV, 17, 47.
- Pine, XXI, 62; XXIV, 20, 36, 77.
- Prairie, XXIV, 59. Northern, XXIV, 79.
- Prothonotary, XXI, 51; XXII, 41; XXIII, 35; XXIV, 36, 42, 77; XXV, 16.
- Sycamore, XXIV, 79.
- Tennessee, XXI, 39, 69; XXII, 10, 28, 41; XXIII, 35; XXIV, 36, 42, 77, 81; XXV, 17, 40.
- Townsend's, XXIV, 78; XXV, 49.
- Wilson's, XXI, 26, 39; XXII, 10, 41; XXIII, 11, 35; XXIV, 17, 36, 42, 77; XXV, 17, 40, 47.
- Worm-eating, XXIII, 54; XXIV, 77.
- Yellow, XXI, 26, 39, 51, 69; XXII, 10, 28, 41, 54; XXIII, 11, 35; XXIV, 16, 36, 42, 47, 77; XXV, 4, 16, 17, 40, 41, 56, 63.
- Water-ouzel, XXII, 56; XXV, 36, 49.
- Water-thrush, Grinnell's, XXI, 39; XXII, 28, 41; XXIII, 35; XXIV, 36, 42, 77; XXV, 40.
- Louisiana, XXI, 39; XXII, 28, 41, 46, XXIII, 35; XXIV, 36, 42, 77.
- Northern, XXI, 69; XXIV, 36; XXV, 17.
- Waxwing, Bohemian, XXIV, 13, 35, 77; XXV, 11.
- Cedar, XXI, 17, 19, 26, 39, 51; XXII, 7, 13; XXIII, 17, 20, 21, 22, 62, 68; XXIV, 13, 16, 35, 42, 77; XXV, 3, 4, 9, 40, 63.
- WEBER, ALOIS J. Weaklings among Young Purple Martins, XXIV, 57.
- WESTON, HENRY G. JR. Ring-necked Pheasant Activities on Birge and Grass Lakes, Emmet Co., Ia., XXIII, 26-29; Bald Eagle Feeding on a Ring-necked Pheasant, XXIII, 53-54.
- Whip-poor-will, XXII, 40; XXIII, 63, 64; XXIV, 34, 42, 76; XXV, 2, 3, 4, 64.
- Widgeon, European, XXIV, 79.
- Willet, XXII, 28; XXIV, 49, 52, 55, 75; XXV, 49, 57. Western, XXII, 40; XXIII, 34.
- WILLIS, MYRA. Photograph by, XXV, 2.
- WILSON, BURTIS H. Journals, XXIV, 5-8, 34-38.
- WOLDEN, B. O. Bird Notes from Emmet Co., XXII, 13, 14.
- Woodcock, American, XXII, 14; XXIV, 7, 52, 60, 75.
- Woodpecker, American Three-toed, XXV, 49.
- Arctic Three-toed, XXIV, 79; XXV, 49.
- Downy, XXI, 13, 17, 39, 51; XXII, 4, 6, 28; XXIII, 17, 18, 21, 35, 75; XXIV, 8, 13, 16, 34, 42, 76; XXV, 4, 5, 9, 35, 36, 40.
- Gila, XXIV, 21.
- Hairy, XXI, 14, 17, 39, 51; XXII, 4, 6, 28; XXIII, 17, 35; XXIV, 13, 16, 34, 42, 76; XXV, 4, 9, 35, 36, 40.
- Ivory-billed, XXIII, 66.
- Lewis's, XXIII, 23; XXIV, 79; XXV, 49, 67.
- Pileated, XXI, 62; XXII, 6, 8, 60; XXIII, 16, 23; XXIV, 12, 16, 57, 76; XXV, 8, 49, 50, photographs 51-53, 63.
- Red-bellied, XXI, 12, 14, 17, 39, 51; XXII, 6, 28; XXIII, 16, 18, 35; XXIV, 12, 16, 34, 42, 76; XXV, 4, 5, 8, 16, 35, 36, 38, 40, 63.
- Red-headed, XXI, 17, 39, 51; XXII, 6, 8, 10, 28; XXIII, 16, 19, 35, 66, 74; XXIV, 12, 16, 34, 42, 57, 76; XXV, 4, 8, 11, 14, 16, 40.
- White-headed, XXIII, 56; XXV, 49.
- Wren, Bewick's, XXI, 51; XXIII, 37; XXIV, 76; XXV, 41, 66.
- Cactus, XXIV, 21.
- Canyon, XXV, 67.
- Carolina, XXI, 69; XXII, 41, 45; XXIII, 35, 53; XXIV, 9, 13, 14, 42, 76; XXV, 9, 15.
- House, XXI, 39, 51; XXII, 10, 11, 28, 40, 54; XXIII, 11, 12, 13, 35, 62, 63; XXIV, 35, 42, 76; XXV, 4, 16, 36, 40, 55, 67.
- Marsh, XXIII, 62; XXIV, 35, 68.
- Long-billed Marsh, XXI, 67; XXIV, 35.
- Prairie Marsh, XXI, 11, 39, 59, 66; XXII, 12; photographs 12-13, 28, 41; XXIII, 17, 19, 35; XXIV, 68, 76; XXV, 7, 9.
- Rock, XXIII, 56; XXIV, 78; XXV, 18, 49.
- Short-billed Marsh, XXI, 67; XXII, 41, 54; XXIII, 35, 37, 73; XXIV, 76; XXV, 14.
- Winter, XXI, 17, 69; XXII, 11, 40; XXIII, 17, 20; XXIV, 13, 20, 30, 31, 35, 76; XXV, 9, 36.
- Wren-tit, XXV, 49.

Y

- Yellow-legs, XXIV, 49. Greater, XXII, 27, 40; XXIV, 42, 52, 75; XXV, 40.
- Lesser, XXI, 39; XXII, 27, 40, 42, 47; XXIV, 42, 52, 57, 75; XXV, 4, 40.
- Yellow-throat, XXIV, 77; XXV, 14, 17.
- Northern, XXI, 39, 51; XXII, 28, 41; XXIII, 35, 73; XXIV, 36, 42; XXV, 4, 40.

- YOUNGWORTH, WILLIAM. Pine Grosbeak and Red Crossbill at Sioux City, XXI, 20; From the Observer's Notebook, XXI, 26-28; Wintering Robins at Sioux City, XXI, 42; Midwinter Notes from N. W. Ia., XXI, 43; Late Fall Notes from N. W. Ia., XXI, 53; The Kalsow Prairie, Our New State Reserve, XXI, 67-68; Connecticut Warbler at Sioux City, XXI, 68; Spring Notes for 1951 from the Sioux City Region, XXI, 69; Nashville Warbler as a Fall Migrant, XXI, 70; Additional Fall Migration Dates from the Sioux City Region, XXII, 9-10; From the Observer's Notebook, XXII, 23-25; Spring Migration Dates from the Sioux City Region, XXII, 40-42. The Pine Siskin as a Winter Resident at Sioux City, XXII, 55-57; Yellow-bellied Sapsucker Nesting in N. W. Ia., XXII, 59-60; My Boyhood with Birds, XXIII, 6-10; photograph of, XXIII, 9; Bird Notes and Records, Late Fall and Winter of 1952-53, XXIII, 21; Are Our Small Song-birds Doomed? XXIII, 66-68; From the Observer's Notebook, 68-71; photograph of, XXIII, 70; We Return to the Kalsow Prairie, XXIII, 73-74; Decrease of the Red-headed Woodpecker, XXIII, 74; Summer Notes from Sioux City, XXIV, 16-17; Late Fall Records from N. W. Ia., XXIV, 17; Wintering Waterfowl in Woodbury Co., XXIV, 17; photographs by, XXIV, 26-30; T. C. Stephens—The Complete Bird-watcher, XXIV, 26-33; Blue Grosbeak in W. Ia., XXIV, 58-59; White-winged Crossbills at Sioux City, XXIV, 81; Longspurs in Ia., Past and Present, XXV, 12-13; Birding on the Hayden Prairie Area, XXV, 13-14; Summer Notes across N. Ia., XXV, 14; The Pine Siskin as a Gleaner, XXV, 18-19; In the Haunts of Thoreau's "Night Warbler", XXV, 19-20; The Saga of a Cardinal's Nest, XXV, 58-59; Another Grosbeak Food, XXV, 59; The Whisper Song of the Meadowlark, XXV, 61; Further Notes on the Blue Grosbeak in W. Ia., XXV, 62; Aerial Feeding of the Purple Martin, XXV, 64-65; Re-examination in the Spring, XXV, 65-66.